

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1621MXW

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Apr 08 "Ask CAS" for self-help around the clock
NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4 Apr 09 ZDB will be removed from STN
NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 9 Jun 03 New e-mail delivery for search results now available
NEWS 10 Jun 10 MEDLINE Reload
NEWS 11 Jun 10 PCTFULL has been reloaded
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;
saved answer sets no longer valid
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY
NEWS 15 Jul 30 NETFIRST to be removed from STN
NEWS 16 Aug 08 CANCERLIT reload
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18 Aug 08 NTIS has been reloaded and enhanced
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
now available on STN
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file
NEWS 25 Sep 16 Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 26 Sep 16 CA Section Thesaurus available in CAPLUS and CA

NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 17:18:36 ON 25 SEP 2002

=> file registry
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 17:18:47 ON 25 SEP 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 24 SEP 2002 HIGHEST RN 454646-45-8
DICTIONARY FILE UPDATES: 24 SEP 2002 HIGHEST RN 454646-45-8

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

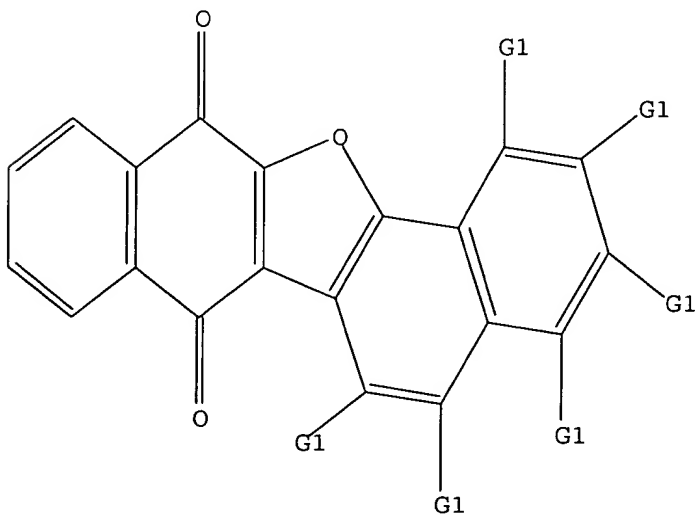
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>
Uploading 09810628e.str

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s L1 sss sam

SAMPLE SEARCH INITIATED 17:19:09 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 86 TO ITERATE

100.0% PROCESSED 86 ITERATIONS 3 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 1164 TO 2276
PROJECTED ANSWERS: 3 TO 163

L2 3 SEA SSS SAM L1

=> s L1 sss full

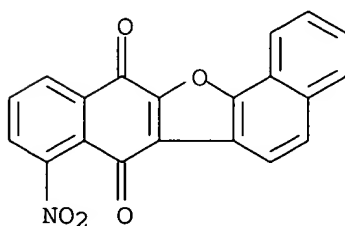
FULL SEARCH INITIATED 17:19:15 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1938 TO ITERATE

100.0% PROCESSED 1938 ITERATIONS 86 ANSWERS
SEARCH TIME: 00.00.02

L3 86 SEA SSS FUL L1

=> d L2 sam

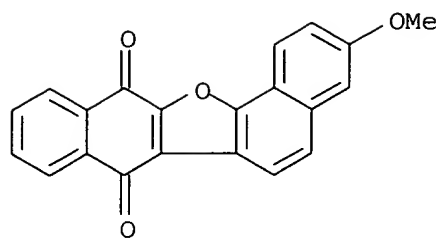
L2 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2002 ACS
IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 8-nitro- (6CI)
MF C20 H9 N O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

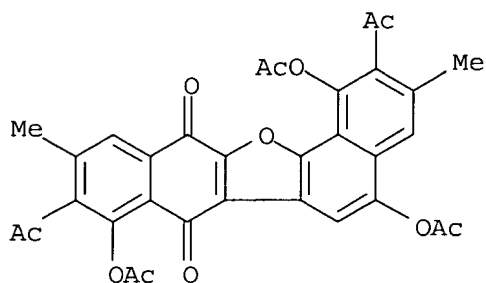
=> d L2 2-3 sam

L2 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2002 ACS
IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 3-methoxy- (7CI)
MF C21 H12 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

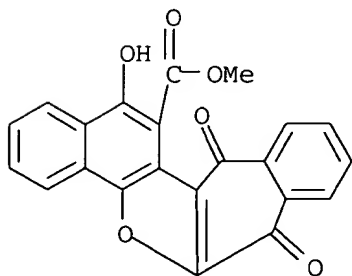
L2 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 2,9-diacetyl-1,5,8-
 tris(acetyloxy)-3,10-dimethyl- (9CI)
 MF C32 H24 O11



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

=> d L3 1-86 sam

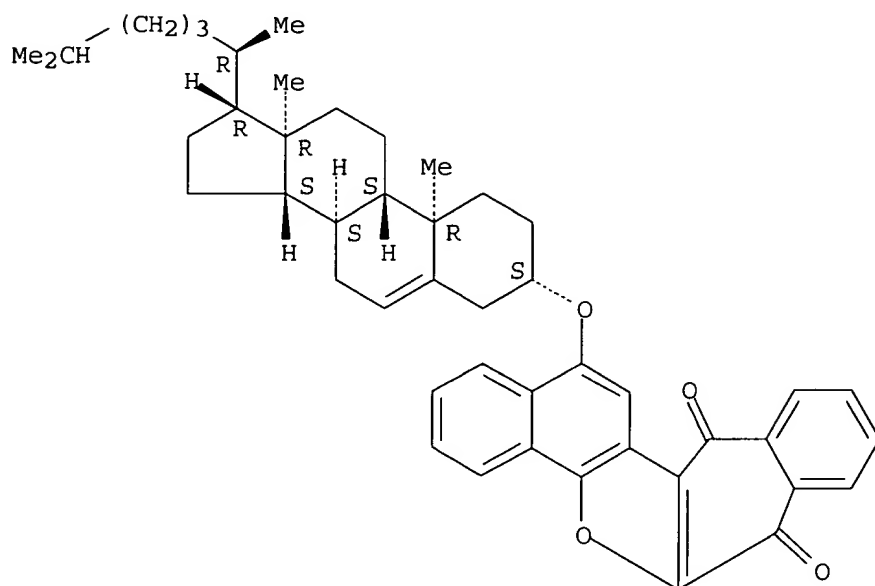
L3 ANSWER 1 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-6-carboxylic acid, 7,12-dihydro-5-hydroxy-
 7,12-dioxo-, methyl ester, sodium salt (9CI)
 MF C22 H12 O6 . Na



● Na

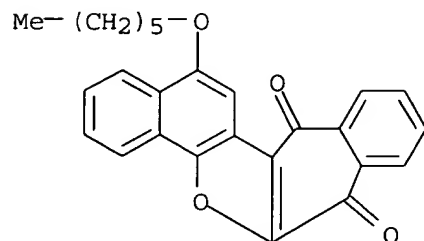
L3 ANSWER 2 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 5-[(3.β.)-cholest-5-en-3-yloxy] - (9CI)
 MF C47 H54 O4

Absolute stereochemistry.



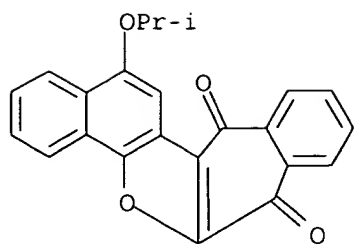
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 3 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 5-(hexyloxy) - (9CI)
 MF C26 H22 O4



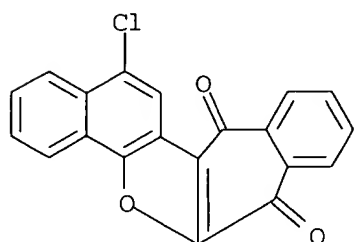
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 4 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 5-(1-methylethoxy) - (9CI)
 MF C23 H16 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

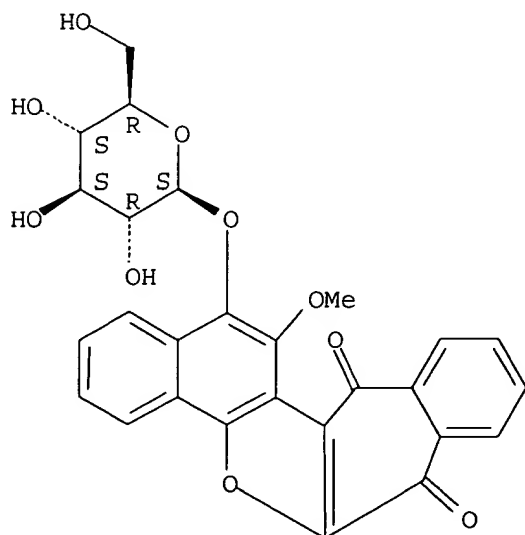
L3 ANSWER 5 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 5-chloro- (9CI)
 MF C20 H9 Cl O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

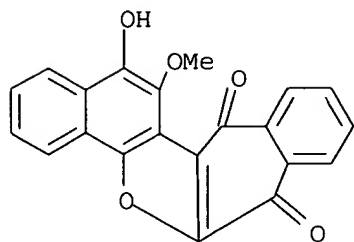
L3 ANSWER 6 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 5-(.beta.-D-glucopyranosyloxy)-6-methoxy- (9CI)
 MF C27 H22 O10

Absolute stereochemistry.



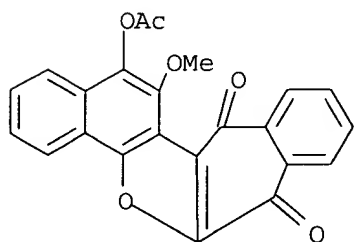
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 7 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 5-hydroxy-6-methoxy- (9CI)
 MF C21 H12 O5



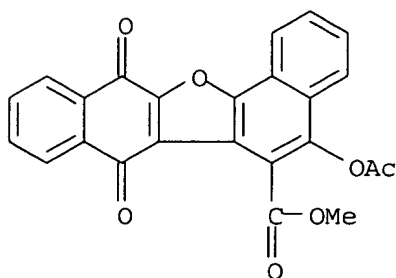
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 8 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 5-(acetyloxy)-6-methoxy- (9CI)
 MF C23 H14 O6



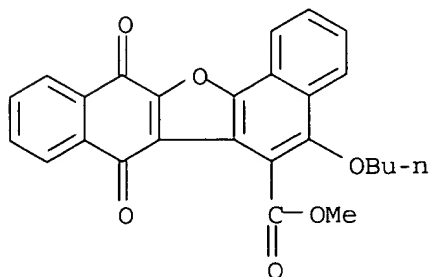
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 9 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-6-carboxylic acid, 5-(acetyloxy)-7,12-dihydro-7,12-dioxo-, methyl ester (9CI)
 MF C24 H14 O7



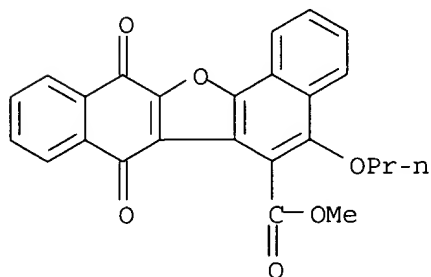
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 10 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-6-carboxylic acid, 5-butoxy-7,12-dihydro-
 7,12-dioxo-, methyl ester (9CI)
 MF C26 H20 O6



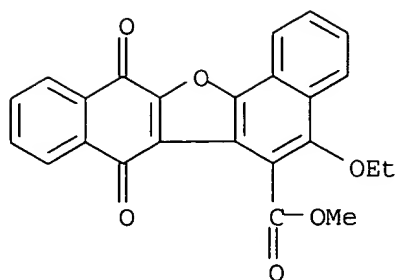
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 11 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-6-carboxylic acid, 7,12-dihydro-7,12-dioxo-5-
 propoxy-, methyl ester (9CI)
 MF C25 H18 O6



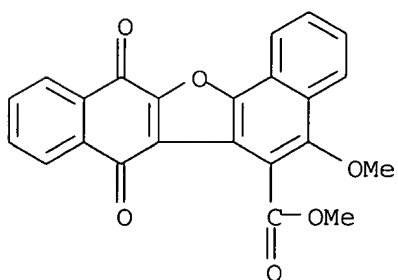
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 12 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-6-carboxylic acid, 5-ethoxy-7,12-dihydro-
 7,12-dioxo-, methyl ester (9CI)
 MF C24 H16 O6



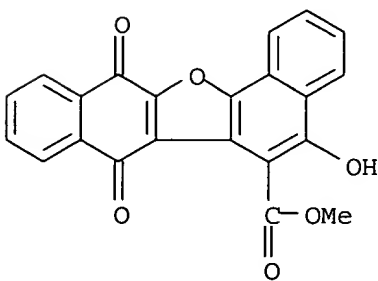
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 13 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-6-carboxylic acid, 7,12-dihydro-5-methoxy-
 7,12-dioxo-, methyl ester (9CI)
 MF C23 H14 O6



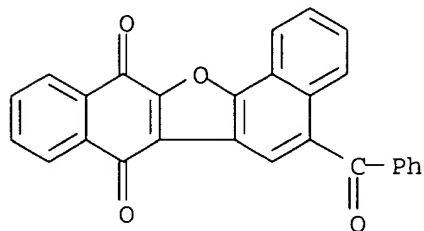
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 14 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-6-carboxylic acid, 7,12-dihydro-5-hydroxy-
 7,12-dioxo-, methyl ester (9CI)
 MF C22 H12 O6
 CI COM



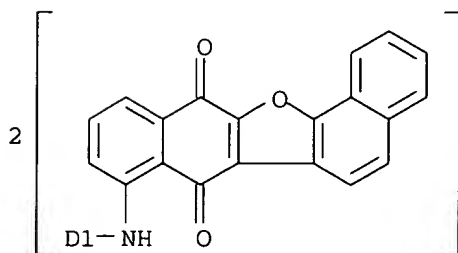
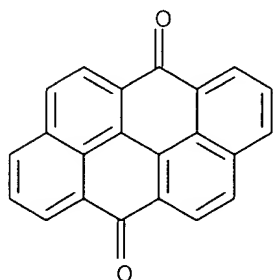
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 15 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 5-benzoyl- (6CI)
 MF C27 H14 O4

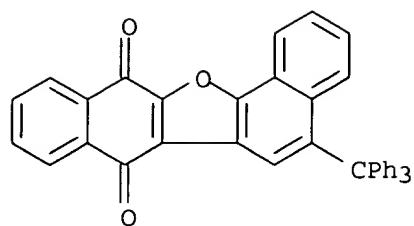


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 16 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 8,8'-[(6,12-dihydro-6,12-dioxodibenzo[def,mno]chrysenylene)diimino]bis- (6CI)
 MF C62 H28 N2 O8
 CI IDS

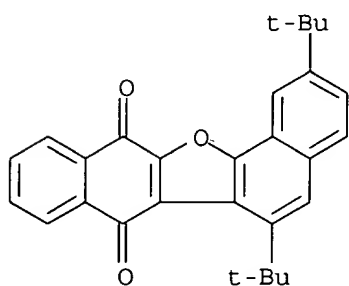


L3 ANSWER 17 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 5-trityl- (6CI)
 MF C39 H24 O3



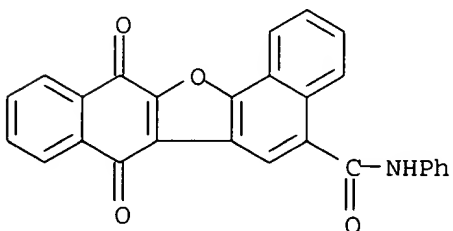
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 18 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 2,6-di-tert-butyl- (6CI)
 MF C28 H26 O3



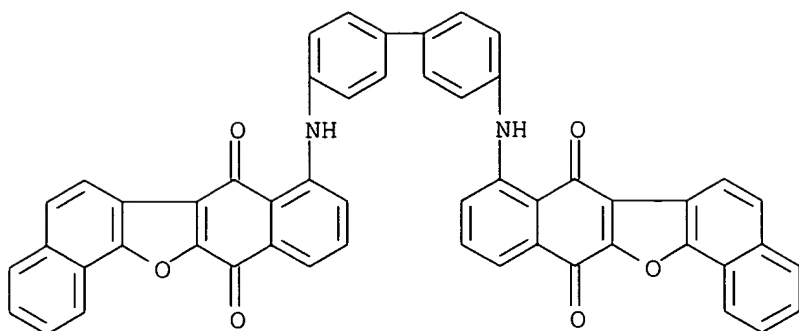
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 19 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-5-carboxanilide, 7,12-dihydro-7,12-dioxo-
 (6CI)
 MF C27 H15 N O4



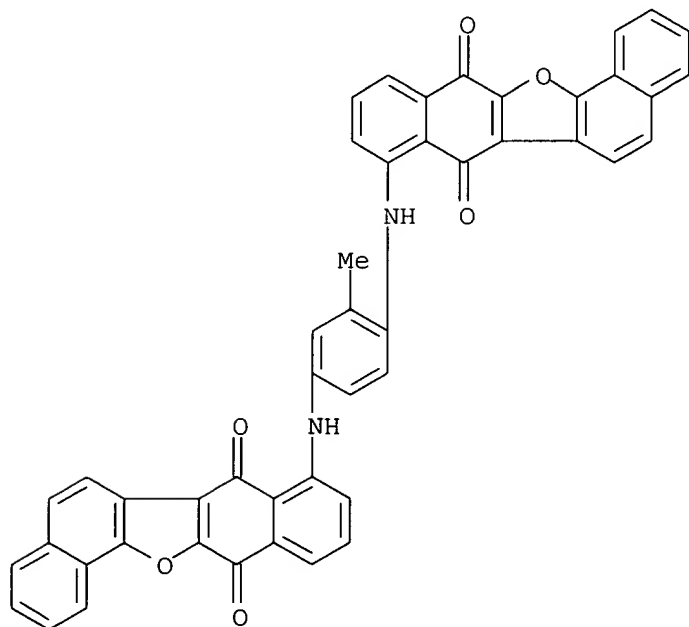
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 20 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 8,8'-(4,4'-
 biphenylylenediimino)bis- (6CI)
 MF C52 H28 N2 O6



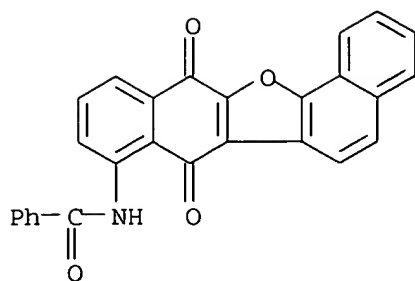
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 21 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 8,8'-[(methyl-p-phenylene)diimino]bis- (6CI)
 MF C47 H26 N2 O6



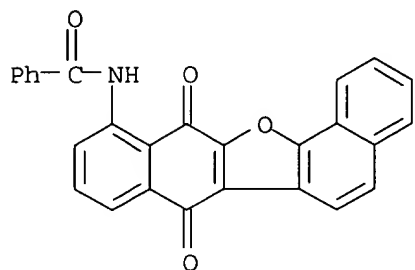
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 22 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 8-benzamido- (6CI)
 MF C27 H15 N O4



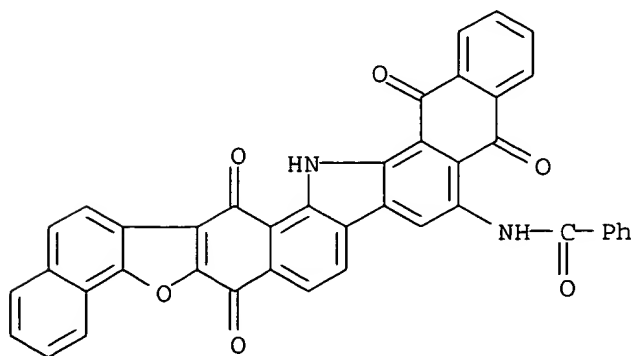
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 23 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 11-benzamido- (6CI)
 MF C27 H15 N O4



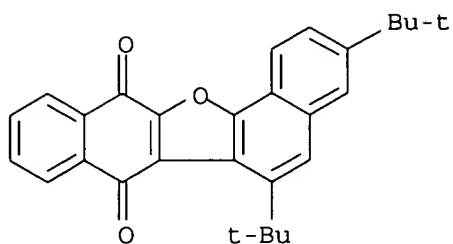
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 24 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN 19H-Naphtho[2,3-a]naphtho[1',2':2,3]benzofuro[6,5-i]carbazole-5,10,18,20-tetrone, 6-benzamido- (6CI)
 MF C41 H20 N2 O6



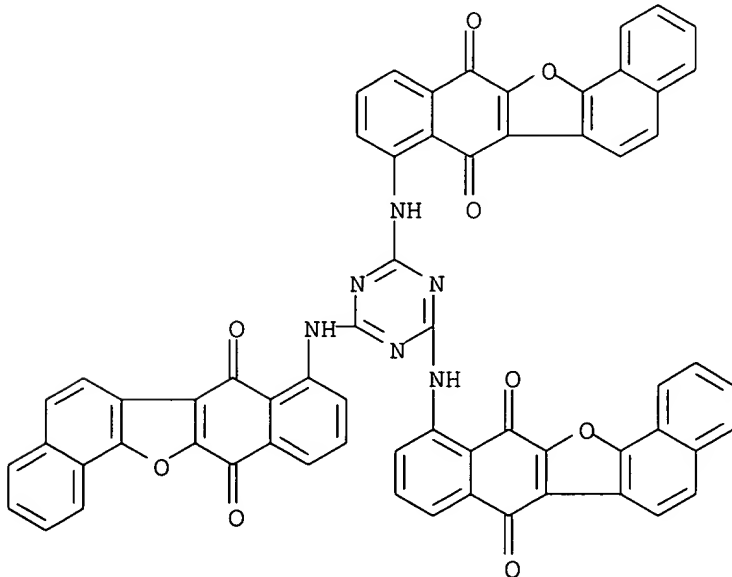
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 25 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 3,6-di-tert-butyl- (6CI)
 MF C28 H26 O3



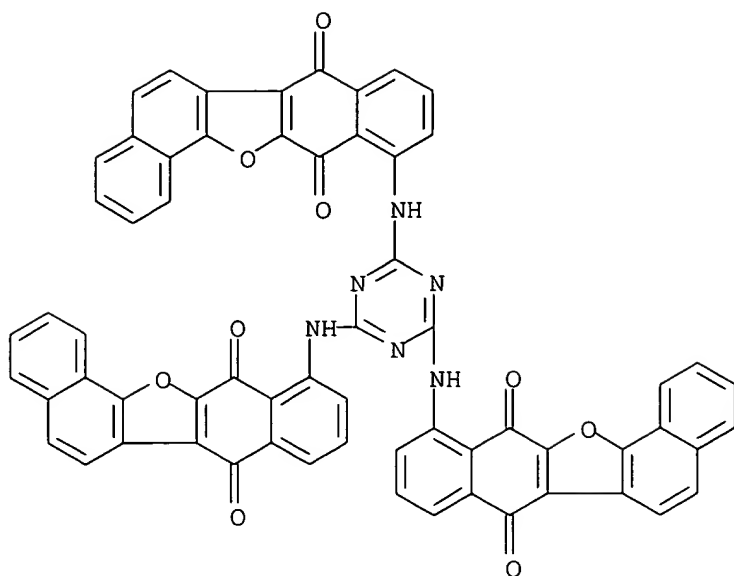
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 26 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 8,8',11,11'-(s-triazine-2,4,6-triyltriimino)tris- (6CI)
 MF C63 H30 N6 O9



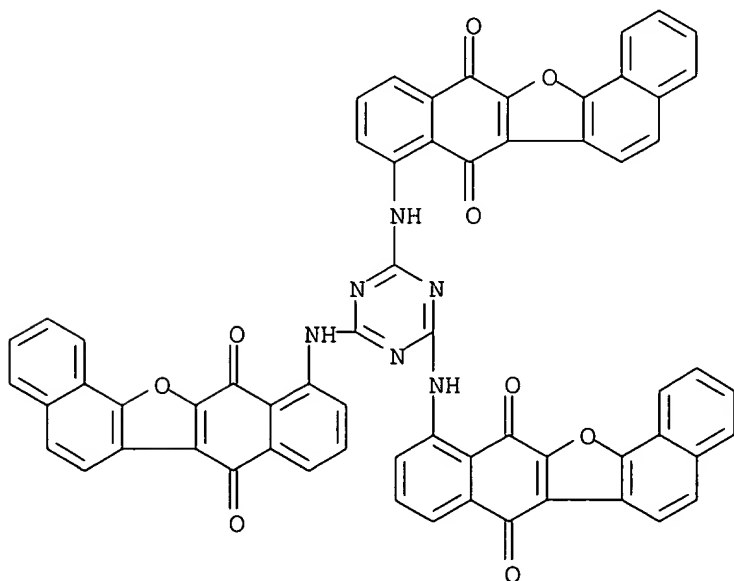
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 27 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 11,11',11,11'-(s-triazine-2,4,6-triyltriimino)tris- (6CI)
 MF C63 H30 N6 O9



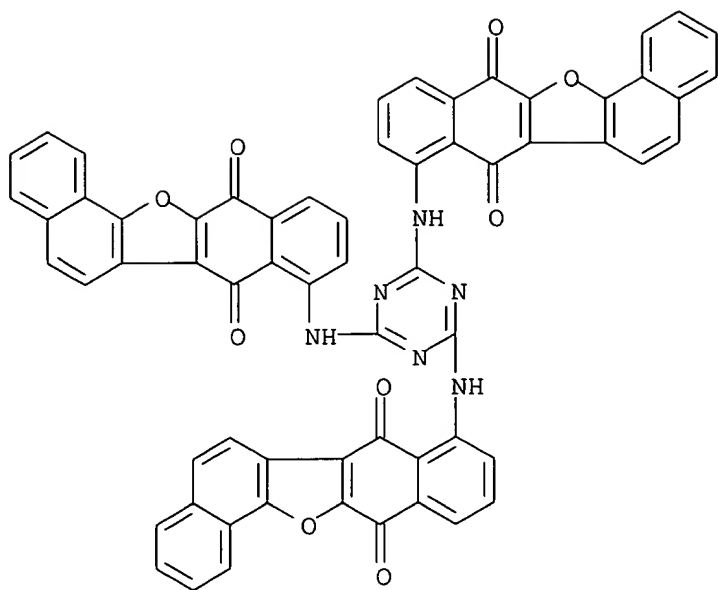
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 28 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 8,11',11''-(s-triazine-2,4,6-triyltriimino)tris- (6CI)
 MF C63 H30 N6 O9



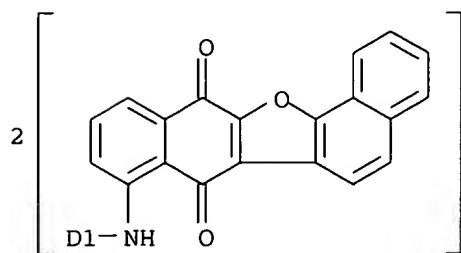
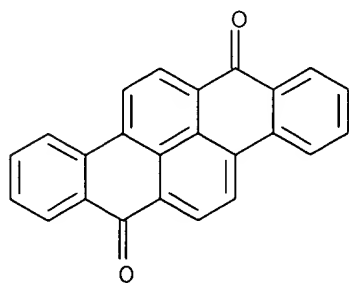
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 29 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 8,8',8''-(s-triazine-2,4,6-triyltriimino)tris- (6CI)
 MF C63 H30 N6 O9



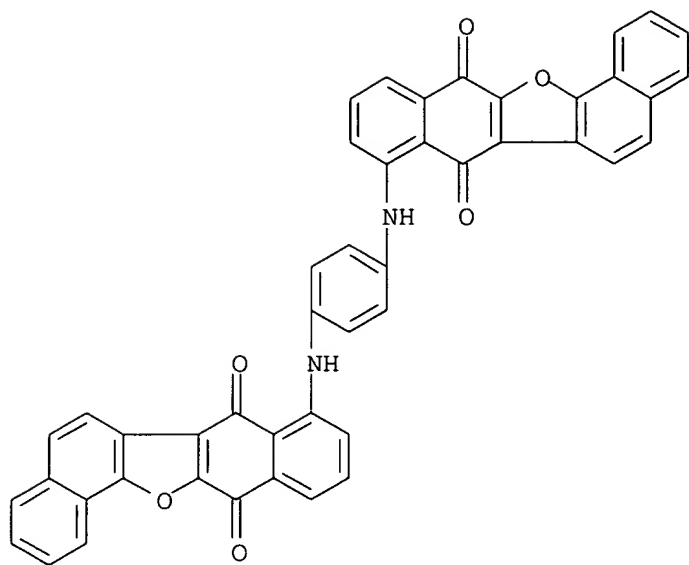
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 30 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 8,8'-[(7,14-dihydro-7,14-dioxodibenzo[b,def]chrysenylene)diimino]bis- (6CI)
 MF C64 H30 N2 O8
 CI IDS



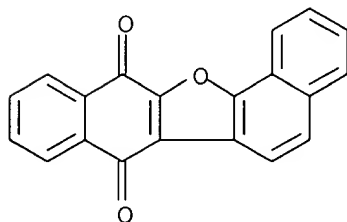
L3 ANSWER 31 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 8,8'-(p-phenylenediimino)bis- (6CI)

MF C46 H24 N2 O6



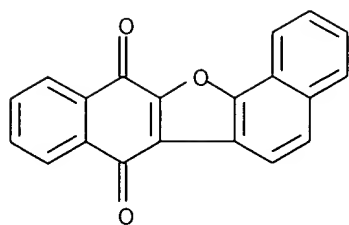
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 32 OF 86 REGISTRY COPYRIGHT 2002 ACS
IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, nitro- (9CI)
MF C20 H9 N O5
CI IDS



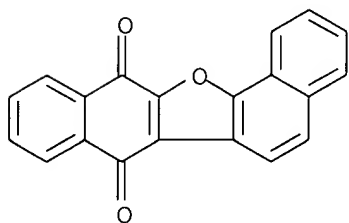
D1-NO₂

L3 ANSWER 33 OF 86 REGISTRY COPYRIGHT 2002 ACS
IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, trinitro- (9CI)
MF C20 H7 N3 O9
CI IDS



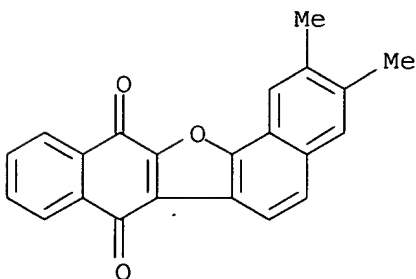
3 [D1-NO₂]

L3 ANSWER 34 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, dinitro- (9CI)
 MF C₂₀ H₈ N₂ O₇
 CI IDS



2 [D1-NO₂]

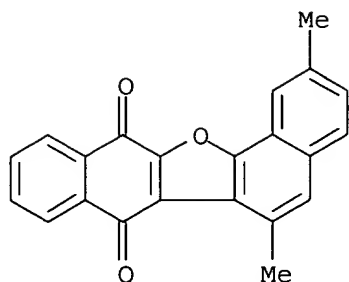
L3 ANSWER 35 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione-, 2,3-dimethyl- (6CI)
 MF C₂₂ H₁₄ O₃



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

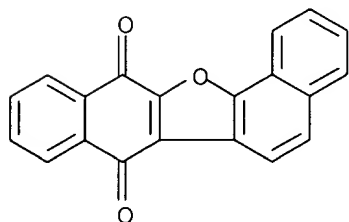
L3 ANSWER 36 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione-, 2,6-dimethyl- (6CI)

MF C22 H14 O3



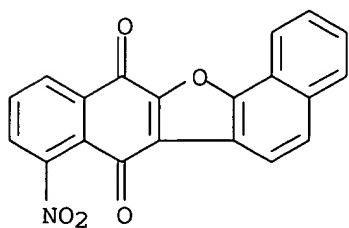
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 37 OF 86 REGISTRY COPYRIGHT 2002 ACS
IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 8(or 11)-amino- (6CI)
MF C20 H11 N O3
CI IDS



D1-NH₂

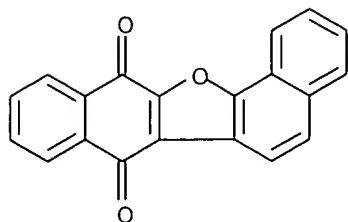
L3 ANSWER 38 OF 86 REGISTRY COPYRIGHT 2002 ACS
IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 8-nitro- (6CI)
MF C20 H9 N O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

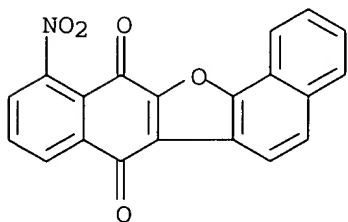
L3 ANSWER 39 OF 86 REGISTRY COPYRIGHT 2002 ACS

IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 8(or 11)-nitro- (6CI)
MF C20 H9 N O5
CI IDS



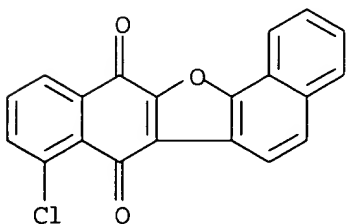
D1-NO₂

L3 ANSWER 40 OF 86 REGISTRY COPYRIGHT 2002 ACS
IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 11-nitro- (6CI)
MF C20 H9 N O5



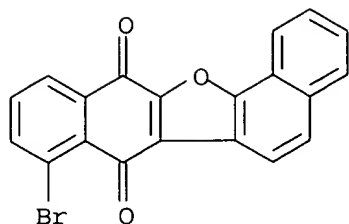
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 41 OF 86 REGISTRY COPYRIGHT 2002 ACS
IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 8-chloro- (6CI)
MF C20 H9 Cl O3



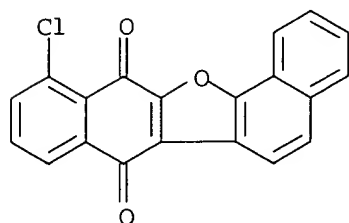
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 42 OF 86 REGISTRY COPYRIGHT 2002 ACS
IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 8-bromo- (6CI)
MF C20 H9 Br O3



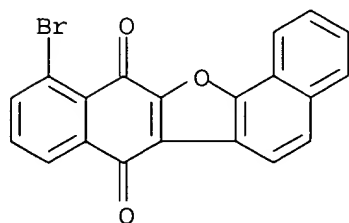
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 43 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 11-chloro- (6CI)
 MF C20 H9 Cl O3



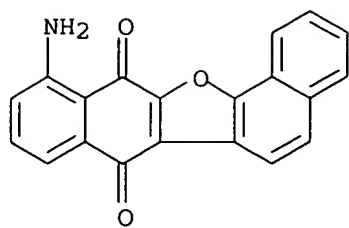
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 44 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 11-bromo- (6CI)
 MF C20 H9 Br O3



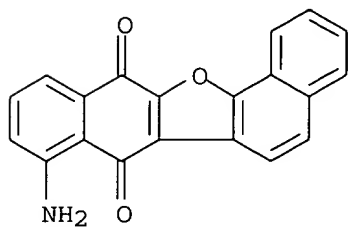
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 45 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 11-amino- (6CI)
 MF C20 H11 N O3



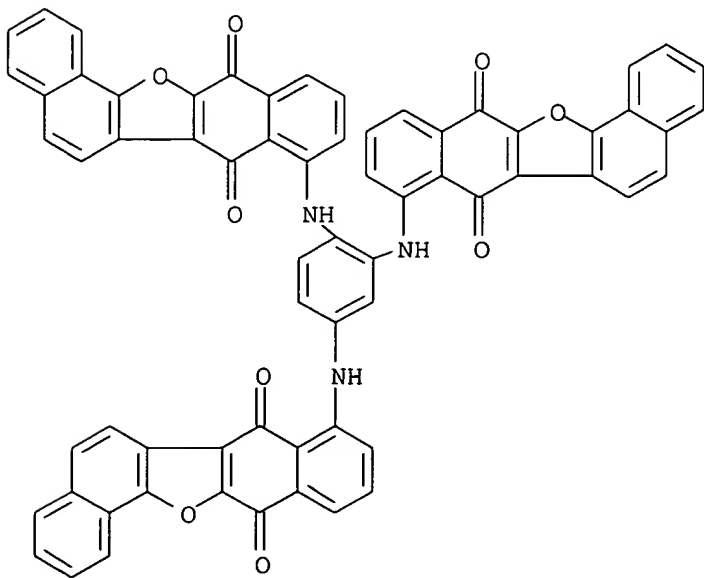
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

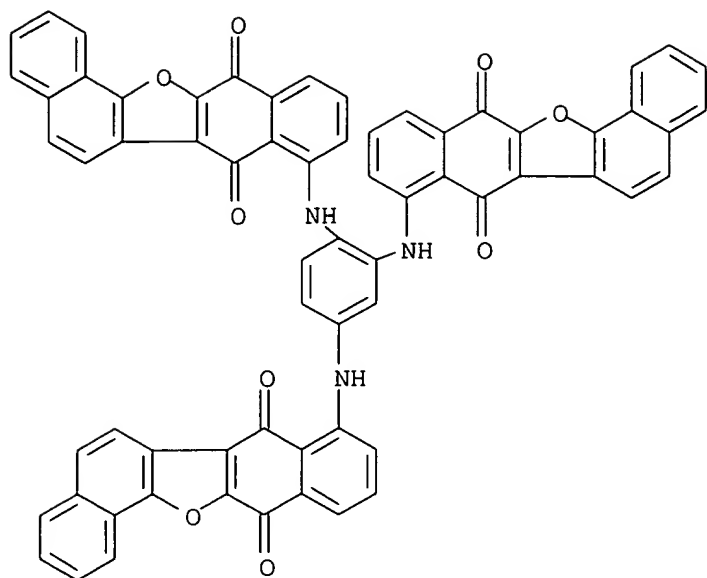
L3 ANSWER 46 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 8-amino- (6CI, 9CI)
 MF C20 H11 N O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

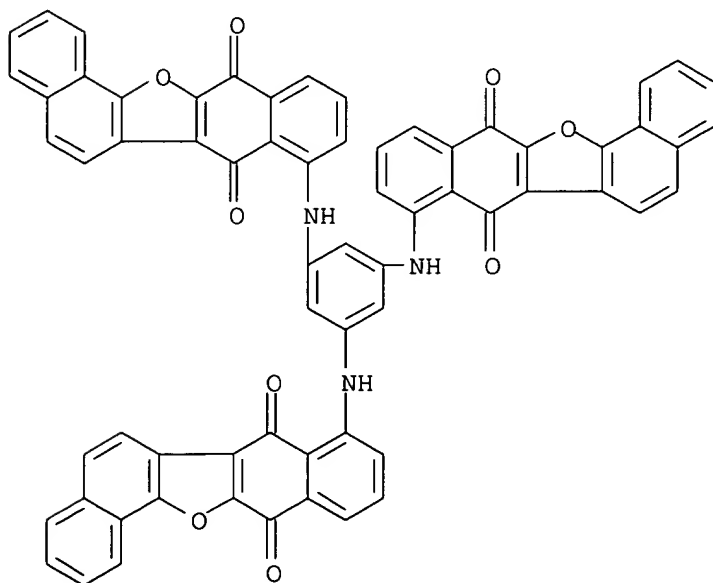
L3 ANSWER 47 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 8,8',8''-(as-phenenyltriimino)tris- (6CI)
 MF C66 H33 N3 O9





PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

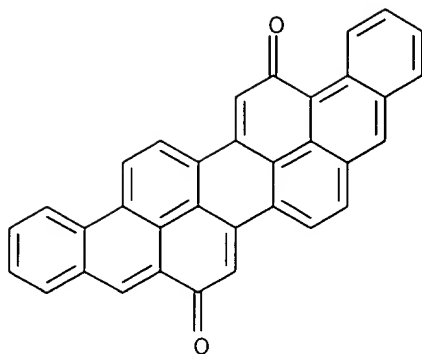
L3 ANSWER 48 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 8,8',8''-(s-phenenyltriimino)tris- (6CI)
 MF C66 H33 N3 O9



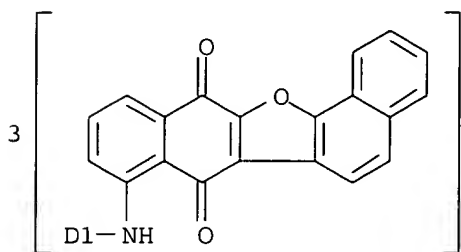
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 49 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 8,8',8''-[(9,18-dihydro-9,18-dioxodinaphtho[1,2,3-cd:1',2',3'-lm]perylene)triimino]tris- (6CI)
 MF C94 H43 N3 O11
 CI IDS

PAGE 1-A

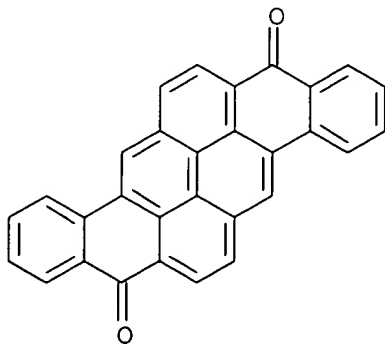


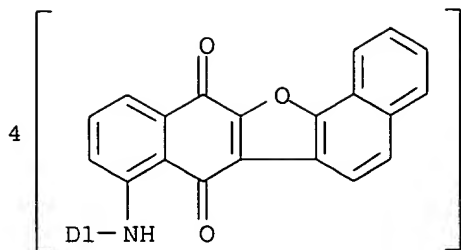
PAGE 2-A



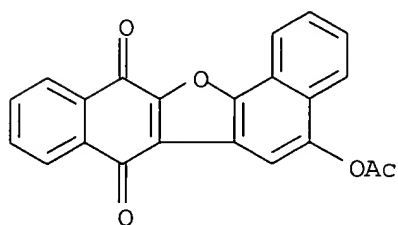
L3 ANSWER 50 OF 86 REGISTRY COPYRIGHT 2002 ACS
IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 8,8',8'',8'''-[(8,16-dihydro-
8,16-dioxopyranthrenetetrayl)tetraimino]tetrakis- (6CI)
MF C110 H50 N4 O14
CI IDS

PAGE 1-A



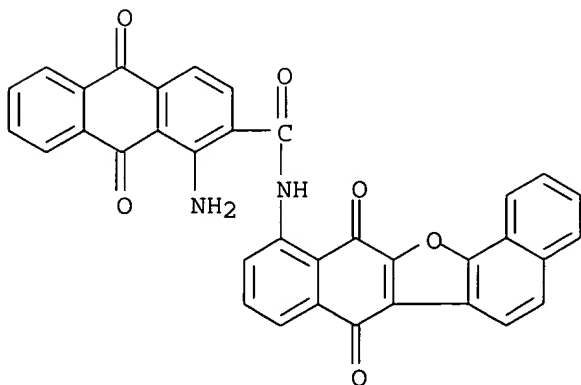


L3 ANSWER 51 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 5-(acetyloxy)- (9CI)
 MF C22 H12 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

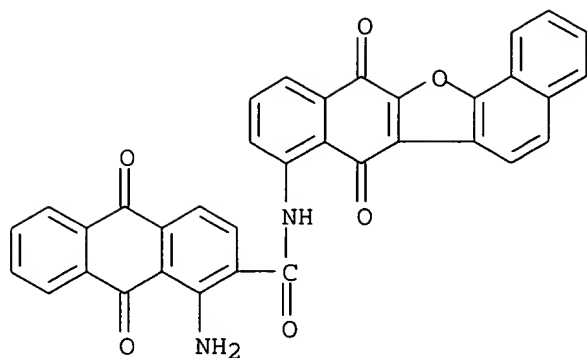
L3 ANSWER 52 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN 2-Anthramide, 1-amino-N-(7,12-dihydro-7,12-dioxodinaphtho[1,2-b:2',3'-
 d]furan-11-yl)-9,10-dihydro-9,10-dioxo- (7CI)
 MF C35 H18 N2 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

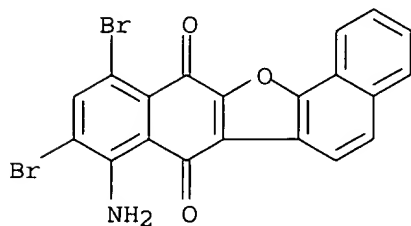
L3 ANSWER 53 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN 2-Anthramide, 1-amino-N-(7,12-dihydro-7,12-dioxodinaphtho[1,2-
 b:2',3'd]furan-8-yl)-9,10-dihydro-9,10-dioxo- (7CI)

MF C35 H18 N2 O6



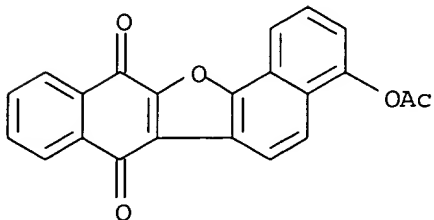
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 54 OF 86 REGISTRY COPYRIGHT 2002 ACS
IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 8-amino-9,11-dibromo- (7CI)
MF C20 H9 Br2 N O3



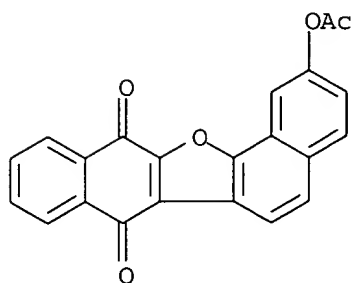
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 55 OF 86 REGISTRY COPYRIGHT 2002 ACS
IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 4-hydroxy-, acetate (7CI)
MF C22 H12 O5



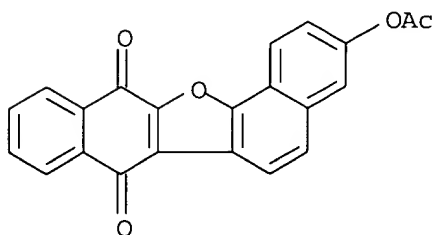
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 56 OF 86 REGISTRY COPYRIGHT 2002 ACS
IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 2-hydroxy-, acetate (7CI)
MF C22 H12 O5



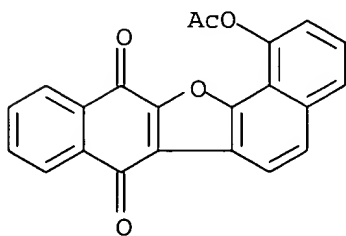
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 57 OF 86 REGISTRY COPYRIGHT 2002 ACS
IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 3-hydroxy-, acetate (7CI)
MF C22 H12 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

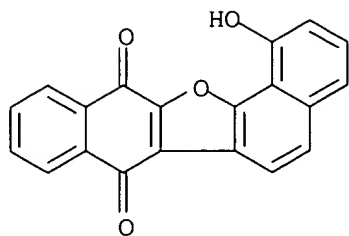
L3 ANSWER 58 OF 86 REGISTRY COPYRIGHT 2002 ACS
IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 1-hydroxy-, acetate (7CI)
MF C22 H12 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

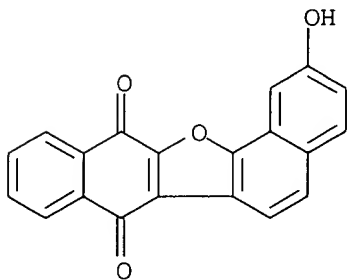
L3 ANSWER 59 OF 86 REGISTRY COPYRIGHT 2002 ACS

IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 1-hydroxy- (7CI)
MF C20 H10 O4



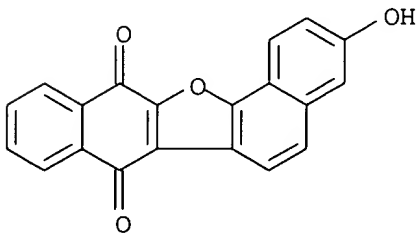
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 60 OF 86 REGISTRY COPYRIGHT 2002 ACS
IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 2-hydroxy- (6CI, 7CI, 9CI)
MF C20 H10 O4



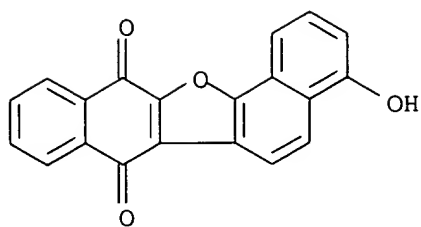
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 61 OF 86 REGISTRY COPYRIGHT 2002 ACS
IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 3-hydroxy- (7CI)
MF C20 H10 O4



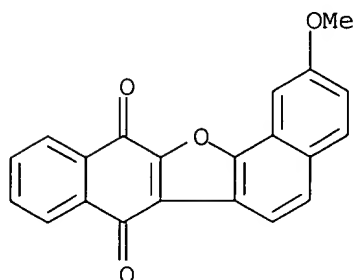
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 62 OF 86 REGISTRY COPYRIGHT 2002 ACS
IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 4-hydroxy- (7CI)
MF C20 H10 O4



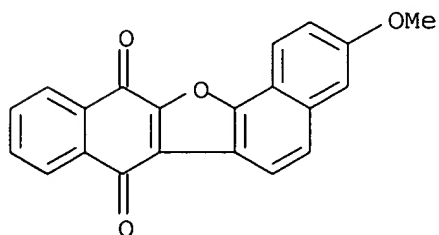
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 63 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 2-methoxy- (6CI, 7CI)
 MF C21 H12 O4



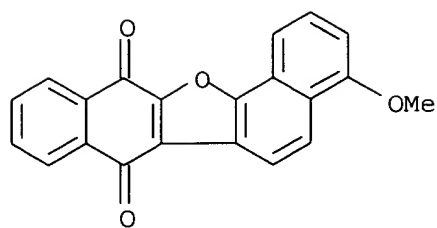
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 64 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 3-methoxy- (7CI)
 MF C21 H12 O4



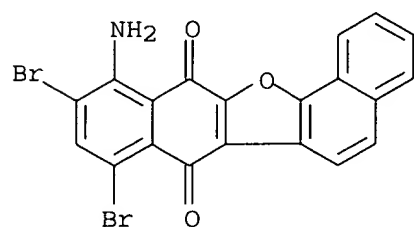
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 65 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 4-methoxy- (6CI, 7CI)
 MF C21 H12 O4



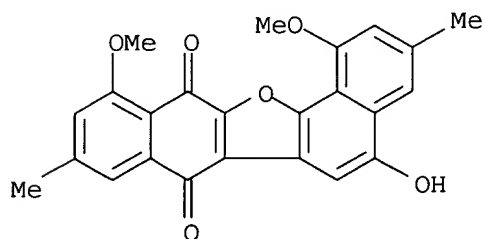
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 66 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 11-amino-8,10-dibromo- (7CI)
 MF C20 H9 Br2 N O3



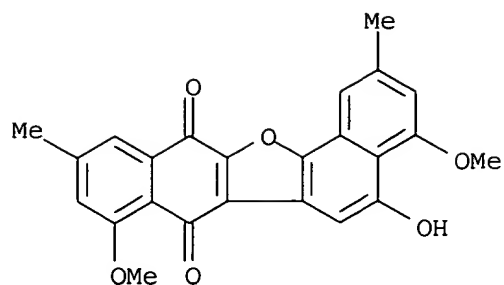
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 67 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 5-hydroxy-1,11-dimethoxy-3,9-dimethyl- (9CI)
 MF C24 H18 O6



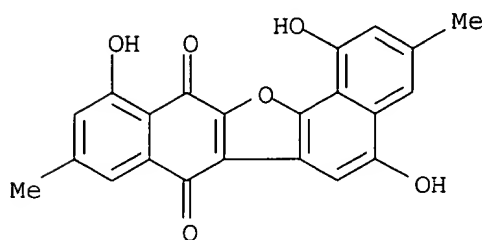
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 68 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 5-hydroxy-4,8-dimethoxy-2,10-dimethyl- (9CI)
 MF C24 H18 O6



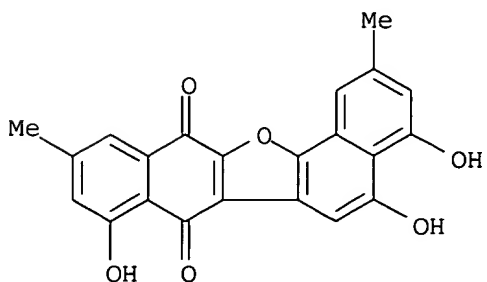
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 69 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 1,5,11-trihydroxy-3,9-dimethyl-
 (9CI)
 MF C22 H14 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

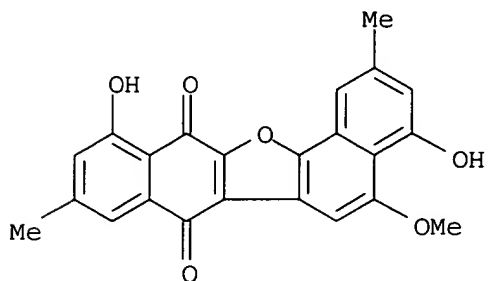
L3 ANSWER 70 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 4,5,8-trihydroxy-2,10-dimethyl-
 (9CI)
 MF C22 H14 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

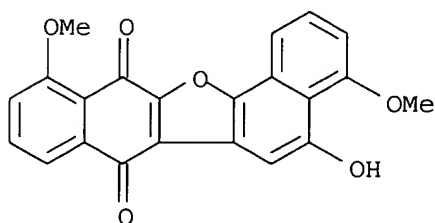
L3 ANSWER 71 OF 86 REGISTRY COPYRIGHT 2002 ACS

IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 4,11-dihydroxy-5-methoxy-2,9-dimethyl- (9CI)
MF C23 H16 O6



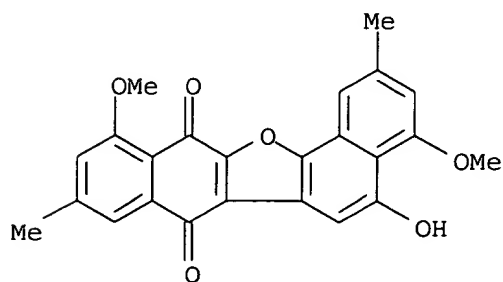
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 72 OF 86 REGISTRY COPYRIGHT 2002 ACS
IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 5-hydroxy-4,11-dimethoxy- (9CI)
MF C22 H14 O6



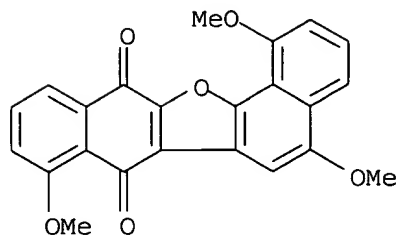
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 73 OF 86 REGISTRY COPYRIGHT 2002 ACS
IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 5-hydroxy-4,11-dimethoxy-2,9-dimethyl- (9CI)
MF C24 H18 O6



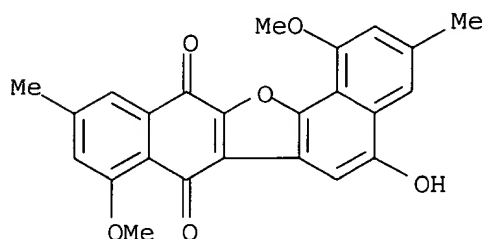
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 74 OF 86 REGISTRY COPYRIGHT 2002 ACS
IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 1,5,8-trimethoxy- (9CI)
MF C23 H16 O6



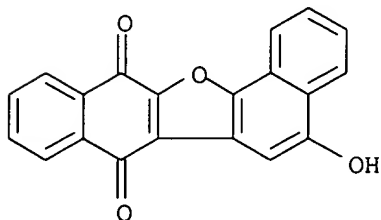
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 75 OF 86 REGISTRY COPYRIGHT 2002 ACS
IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 5-hydroxy-1,8-dimethoxy-3,10-dimethyl- (9CI)
MF C24 H18 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

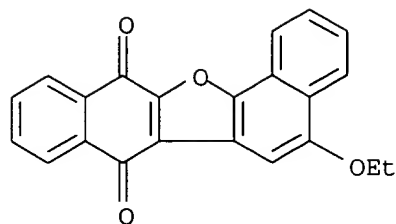
L3 ANSWER 76 OF 86 REGISTRY COPYRIGHT 2002 ACS
IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 5-hydroxy- (7CI, 9CI)
MF C20 H10 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

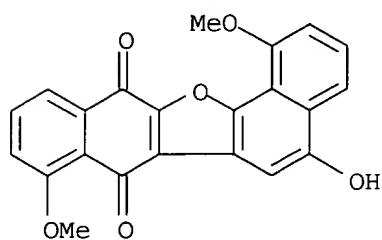
L3 ANSWER 77 OF 86 REGISTRY COPYRIGHT 2002 ACS
IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 5-ethoxy- (9CI)

MF C22 H14 O4



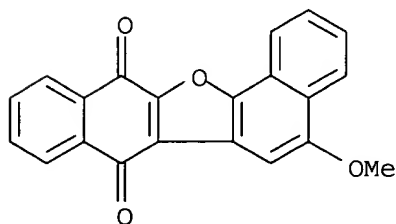
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 78 OF 86 REGISTRY COPYRIGHT 2002 ACS
IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 5-hydroxy-1,8-dimethoxy- (9CI)
MF C22 H14 O6



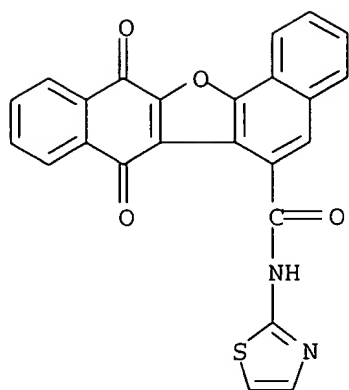
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 79 OF 86 REGISTRY COPYRIGHT 2002 ACS
IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 5-methoxy- (7CI, 9CI)
MF C21 H12 O4



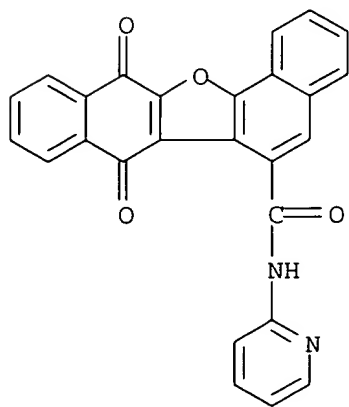
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 80 OF 86 REGISTRY COPYRIGHT 2002 ACS
IN Dinaphtho[1,2-b:2',3'-d]furan-6-carboxamide, 7,12-dihydro-7,12-dioxo-N-2-thiazolyl- (8CI)
MF C24 H12 N2 O4 S



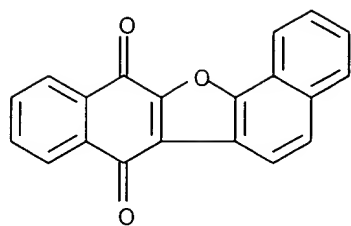
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 81 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-6-carboxamide, 8,13-dihydro-8,13-dioxo-N-2-
 pyridyl- (8CI)
 MF C26 H14 N2 O4



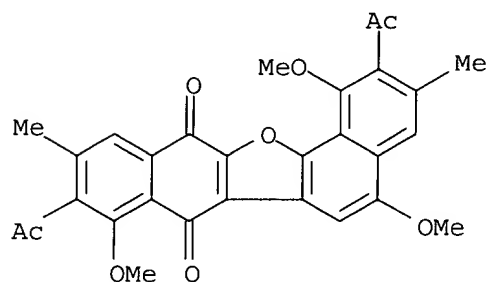
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 82 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione (6CI, 7CI, 8CI, 9CI)
 MF C20 H10 O3



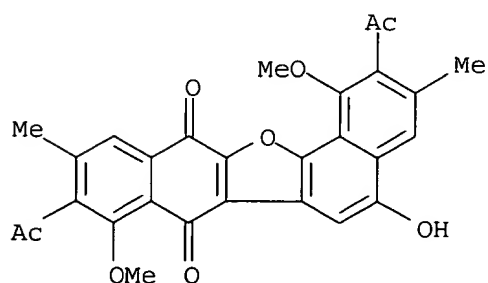
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 83 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 2,9-diacetyl-1,5,8-trimethoxy-
 3,10-methyl- (9CI)
 MF C29 H24 O8



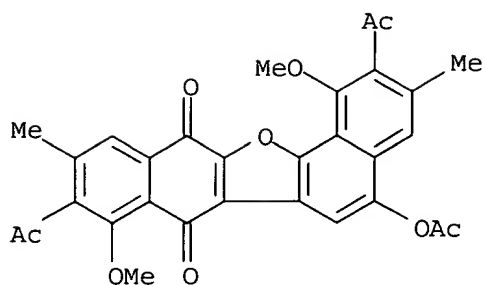
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 84 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 2,9-diacetyl-5-hydroxy-1,8-
 dimethoxy-3,10-dimethyl- (9CI)
 MF C28 H22 O8



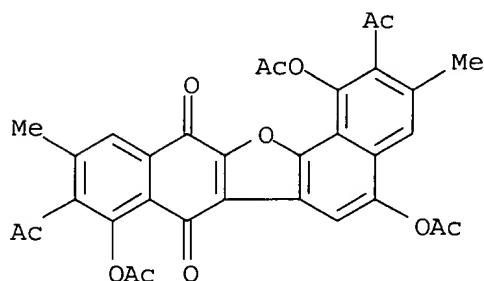
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 85 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 2,9-diacetyl-5-(acetyloxy)-1,8-
 dimethoxy-3,10-dimethyl- (9CI)
 MF C30 H24 O9



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 86 OF 86 REGISTRY COPYRIGHT 2002 ACS
 IN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 2,9-diacetyl-1,5,8-
 tris(acetyloxy)-3,10-dimethyl- (9CI)
 MF C32 H24 O11



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

=> file caplus
 COST IN U.S. DOLLARS
 FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
210.46	210.67

FILE 'CAPLUS' ENTERED AT 17:20:42 ON 25 SEP 2002
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FILE COVERS 1907 - 25 Sep 2002 VOL 137 ISS 13
FILE LAST UPDATED: 24 Sep 2002 (20020924/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s L3

L4 34 L3

=> s L4 and cosmetic

40611 COSMETIC

41489 COSMETICS

55091 COSMETIC

(COSMETIC OR COSMETICS)

L5 1 L4 AND COSMETIC

=> d L5 ti

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS

TI **Cosmetic** compositions containing furan-naphthoquinone derivatives as dyeing agents

=> s L4 1-34 ti

MISSING OPERATOR L4 1-34

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> d L4 1-34 ti

L4 ANSWER 1 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Cosmetic compositions containing furan-naphthoquinone derivatives as dyeing agents

L4 ANSWER 2 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Mechanism of color change of methyl 5-hydroxy-dinaphtho[1,2-2',3']furan-7,12-dione-6-carboxylate by 1H-NMR

L4 ANSWER 3 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI In vitro leishmanicidal activity of monomeric and dimeric naphthoquinones

L4 ANSWER 4 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI In vitro leishmanicidal activity of monomeric and dimeric naphthoquinones

L4 ANSWER 5 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Dinaphthofuranquinones, their isolation from balsam, and their use as antipruritic agents

L4 ANSWER 6 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI An antiviral furanoquinone from Paulownia tomentosa Steud

L4 ANSWER 7 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Antipruritic Dinaphthofuran-7,12-dione Derivatives from the Pericarp of Impatiens balsamina

L4 ANSWER 8 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Compositions and methods for treating bone deficit conditions

L4 ANSWER 9 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Preparation of (hetero)aromatic compounds for treating bone deficit conditions.

L4 ANSWER 10 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Analysis of methyl 5-hydroxydinaphtho[1,2-2',3']furan-7,12-dione-6-carboxylate derivatives

L4 ANSWER 11 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Microanalysis of methyl 5-hydroxydinaphtho[1,2-b:2',3'-d]furan-7,12-dione-6-carboxylate

L4 ANSWER 12 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Physicochemical properties and mechanism of color change of methyl 5-hydroxydinaphtho[1,2-2',3']furan-7,12-dione-6-carboxylate

L4 ANSWER 13 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Constituents of *Paulownia tomentosa* stem(III): the crystal structure of methyl 5-hydroxy-dinaphtho [1,2-2',3'] furan-7,12-dione-6-carboxylate

L4 ANSWER 14 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Synthesis of hydroxylated binaphthoquinones via amine/hydroxyl exchange. The reaction of 2,2'-binaphthyl-1,4;1',4'-diquinones with piperidine

L4 ANSWER 15 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Syntheses of benzoquinone-annulated furans and nitration of fused furans

L4 ANSWER 16 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Syntheses of dibenzofuran-type and dinaphthofuranquinone-type fused furans

L4 ANSWER 17 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI cyclo-Trimerisation of 1,4-naphthoquinone; cooperation of phenol/quinone additions and redox reactions

L4 ANSWER 18 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Syntheses of some binaphthalenes

L4 ANSWER 19 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Dimeric naphthoquinones, XI. Oxidation products of substituted binaphthyls

L4 ANSWER 20 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Dimeric naphthoquinones. VIII. Synthesis of 3,3'-dihydroxylated 2,2'-bi-1,4-naphthoquinones

L4 ANSWER 21 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Dimeric naphthoquinones. VII. Synthesis of rotundiquinone and 2,3'-bijuglone via halogenated binaphthyldiquinones

L4 ANSWER 22 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI A pentacyclic quinone and diosindigo B from the heartwood of *Diospyros melanoxylon*

L4 ANSWER 23 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Dimeric naphthoquinones. IV. Synthesis of biramentaceone, mamegakinone and rotundiquinone

L4 ANSWER 24 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Further conversions of naphthoquinones into dinaphthofuranquinones

L4 ANSWER 25 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Photoproducts from 4,4'-dimethoxy-2,2'-binaphthyl-1,1'-quinone

L4 ANSWER 26 OF 34 CAPLUS COPYRIGHT 2002 ACS
 TI A new bisjuglone from *Juglans regia* root bark

L4 ANSWER 27 OF 34 CAPLUS COPYRIGHT 2002 ACS
 TI The electronic structure of the furan-quinones. Polymorphism in dinaphtho[1,2:2',3']furan-7,12-dione

L4 ANSWER 28 OF 34 CAPLUS COPYRIGHT 2002 ACS
 TI ESR studies of some polycyclic semiquinones and derived radicals

L4 ANSWER 29 OF 34 CAPLUS COPYRIGHT 2002 ACS
 TI Electrochemical studies and molecular energy levels in furanquinones

L4 ANSWER 30 OF 34 CAPLUS COPYRIGHT 2002 ACS
 TI Photoreduction of dinaphtho[2,1:2',3']furan-8,13-dione and dinaphtho[1,2:2',3']furan-7,12-dione

L4 ANSWER 31 OF 34 CAPLUS COPYRIGHT 2002 ACS
 TI Electronic structure of furanquinones. II. Emission spectra of dinaphtho[2,1:2',3']furan-8,13-dione and dinaphtho[1,2:2',3']furan-7,12-dione

L4 ANSWER 32 OF 34 CAPLUS COPYRIGHT 2002 ACS
 TI Corrective color photoelectrophoresis

L4 ANSWER 33 OF 34 CAPLUS COPYRIGHT 2002 ACS
 TI Coloring matters of Australian plants. XII. Quinones from *Dianella revoluta* and *Stypandra grandis*

L4 ANSWER 34 OF 34 CAPLUS COPYRIGHT 2002 ACS
 TI 1-Amino-2-anthraquinonecarbonylaminodinaphthofurandiones

=> d L4 33

L4 ANSWER 33 OF 34 CAPLUS COPYRIGHT 2002 ACS
 AN 1965:82329 CAPLUS
 DN 62:82329
 OREF 62:14591a-e
 TI Coloring matters of Australian plants. XII. Quinones from *Dianella revoluta* and *Stypandra grandis*
 AU Cooke, R. G.; Sparrow, L. G.
 CS Univ. Melbourne
 SO Australian J. Chem. (1965), 18(2), 218-25
 DT Journal
 LA English

=> d L4 33 ab,kwic

L4 ANSWER 33 OF 34 CAPLUS COPYRIGHT 2002 ACS
 AB cf. CA 59, 11803g. Dianellinone was isolated from the roots of *Dianella revoluta* and *Stypandra grandis* in yields of 0.09 and 0.025% resp. *S. grandis* contained a second pigment, stypandrone, which was identified as 6-acetyl-5-hydroxy-7-methyl-1,4-naphthoquinone (I). Chem. and spectroscopic evidence indicated that dianellinone was the corresponding 3,3'-dinaphthoquinone (II). Stypandrone, orange, m. 135.5-6.0.degree., .lambda. 212 and 425 m.mu. (inflections at 226 and 249 m.mu.) formed a monomethyl ether, m. 100-1.degree., and on reductive acetylation, gave 1,4,5-triacetoxy-6-acetyl-7-methylnaphthalene, m. 184-6.degree.. Stypandrone was identical with synthetic I, prep., by oxidn. of

1,8-dihydroxy-3-methyl-2-acetonaphthone with Fremy's salt. A by-product of this oxidn. was 3-acetyl-5-methoxy-2-methyl-1,4-naphthoquinone, tn. 162-4.degree. (monoacetate m. 140.degree.), which, on reductive acetylation, yielded 1,4,5-triacetoxy-3-acetyl-2-methylnaphthalene, m. 189-90.degree.. Dianellinone (II), orange, m. 285-95.degree. (decompn.), 223 and 429 my (inflection 275 m.mu.) formed a dimethyl ether (III), m. 200-5.degree. with MeI and AgO. Reductive acetylation of III gave dimethyldianellinone leucotetracetate, m. 278-82.degree.. On exposure to light, III rearranged to dimethylisodianellinone (IV), purple, m. 311-23.degree. (acetate m. 285-305.degree.). Methylation of IV with Me2SO4 gave trinethylisodianellinone, red, m. 330.0-1.5.degree., which, on reductive acetylation, yielded the leucodiacetate, m. 270-3.degree.. On acetylation, II gave isodianellinone triacetate, m. 303-10.degree. and, on reductive acetylation, gave dianellinone leucohexaacetate, m. 290.degree., .lambda. 246 m.mu. (inflections at 233 and 288 m.mu.).

IT 1991-35-1, Isodianellinone, di-O-methyl-, acetate 1991-37-3, Dianellinone, di-O-methyl- 3026-40-2, Dianellinone, di-O-methyl-, tetraacetate 3520-98-7, Dianellinone, hexaacetate (prepn. of)

=> file registry
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
16.10	226.77

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-0.62	-0.62

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STRUCTURE FILE UPDATES: 24 SEP 2002 HIGHEST RN 454646-45-8
DICTIONARY FILE UPDATES: 24 SEP 2002 HIGHEST RN 454646-45-8

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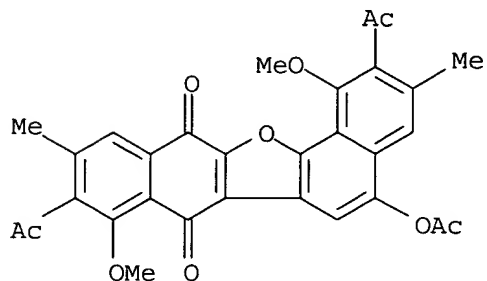
Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STN Note 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s 1991-35-1/rn
L6 1 1991-35-1/RN

=> d L6

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS
RN 1991-35-1 REGISTRY
CN Dinaphtho[1,2-b:2',3'-d]furan-7,12-dione, 2,9-diacetyl-5-(acetyloxy)-1,8-dimethoxy-3,10-dimethyl- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:

CN Isodianellinone, di-O-methyl-, acetate (7CI)
 FS 3D CONCORD
 MF C30 H24 O9
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS
 (*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file stng

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.96	228.73
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.62

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FILE CONTAINS CURRENT INFORMATION.
 LAST RELOADED: Sep 20, 2002 (20020920/UP).

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(FILE 'HOME' ENTERED AT 17:18:36 ON 25 SEP 2002)

FILE 'REGISTRY' ENTERED AT 17:18:47 ON 25 SEP 2002

L1 STRUCTURE UPLOADED
 L2 3 S L1 SSS SAM
 L3 86 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 17:20:42 ON 25 SEP 2002

L4 34 S L3
 L5 1 S L4 AND COSMETIC

FILE 'REGISTRY' ENTERED AT 17:23:50 ON 25 SEP 2002

L6 1 S 1991-35-1/RN

FILE 'STNGUIDE' ENTERED AT 17:24:25 ON 25 SEP 2002

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LOGINID:SSSPTA1621MXW

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
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FILE 'CAPLUS' ENTERED AT 17:30:18 ON 25 SEP 2002
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.24	235.45
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.62

=> d his

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FILE 'REGISTRY' ENTERED AT 17:18:47 ON 25 SEP 2002

L1 STRUCTURE UPLOADED
L2 3 S L1 SSS SAM
L3 86 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 17:20:42 ON 25 SEP 2002

L4 34 S L3
L5 1 S L4 AND COSMETIC

FILE 'REGISTRY' ENTERED AT 17:23:50 ON 25 SEP 2002

L6 1 S 1991-35-1/RN

FILE 'STNGUIDE' ENTERED AT 17:24:25 ON 25 SEP 2002

FILE 'CAPLUS' ENTERED AT 17:28:58 ON 25 SEP 2002

L7 21 S DINAPHTHOFURANDIONE
L8 0 S L7 AND COSMETIC
L9 2 S L7 AND COMPOSITION

=> d L7 1-21 ibib

L7 ANSWER 1 OF 21 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1998:499287 CAPLUS

DOCUMENT NUMBER: 129:242490

TITLE: Antipruritic Dinaphthofuran-7,12-dione Derivatives
from the Pericarp of Impatiens balsamina

AUTHOR(S): Ishiguro, Kyoko; Ohira, Yukiko; Oku, Hisae

CORPORATE SOURCE: School of Pharmaceutical Sciences, Mukogawa Womens
University, Kyuban-cho Nishinomiya, 663-8179, Japan

SOURCE: Journal of Natural Products (1998), 61(9), 1126-1129
CODEN: JNPRDF; ISSN: 0163-3864

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

L7 ANSWER 2 OF 21 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1996:326787 CAPLUS
DOCUMENT NUMBER: 125:22744
TITLE: A naphthofuranoquinone
AUTHOR(S): Farrugia, Louis J.; Scott, Campbell F.; Peacock, Robert D.
CORPORATE SOURCE: Department Chemistry, University Glasgow, Glasgow, G12 8QQ, UK
SOURCE: Acta Crystallographica, Section C: Crystal Structure Communications (1996), C52(5), 1310-1311
CODEN: ACSCEE; ISSN: 0108-2701
PUBLISHER: Munksgaard
DOCUMENT TYPE: Journal
LANGUAGE: English

L7 ANSWER 3 OF 21 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1979:523592 CAPLUS
DOCUMENT NUMBER: 91:123592
TITLE: Revised structure of a synthetic intermediate; formation of a dinaphtho[2,1-b:1',2'-d]furane-5,9-dione
AUTHOR(S): Weiss, Ulrich; Fales, Henry Marshall; Weisgraber, Karl Heinrich
CORPORATE SOURCE: Natl. Inst. Arthritis, Metab. Dig. Dis., NIH, Bethesda, MD, 20014, USA
SOURCE: Liebigs Ann. Chem. (1979), (6), 914-19
CODEN: LACHDL
DOCUMENT TYPE: Journal
LANGUAGE: English

L7 ANSWER 4 OF 21 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1979:195533 CAPLUS
DOCUMENT NUMBER: 90:195533
TITLE: Electronic properties of furanquinone pigments. Correlation between photosensitivity and emissitivity
AUTHOR(S): Loutfy, Rafik O.; Sharp, James H.
CORPORATE SOURCE: Xerox Res. Cent. Canada, Mississauga, Ont., Can.
SOURCE: J. Phys. Chem. (1979), 83(9), 1208-12
CODEN: JPCHAX; ISSN: 0022-3654
DOCUMENT TYPE: Journal
LANGUAGE: English

L7 ANSWER 5 OF 21 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1978:546687 CAPLUS
DOCUMENT NUMBER: 89:146687
TITLE: 1,3,6,8,11,13-Hexachloro-4,10-dihydroxydinaphtho[2,1-b:1',2'-d]furan-5,9-dione. A polychloro quinone from green soils
AUTHOR(S): Cameron, Donald W.; Sidell, Michael D.
CORPORATE SOURCE: Dep. Org. Chem., Univ. Melbourne, Parkville, Aust.
SOURCE: Aust. J. Chem. (1978), 31(6), 1323-33
CODEN: AJCHAS; ISSN: 0004-9425
DOCUMENT TYPE: Journal
LANGUAGE: English

L7 ANSWER 6 OF 21 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1978:144336 CAPLUS
DOCUMENT NUMBER: 88:144336
TITLE: Photopolymerizable compositions
INVENTOR(S): Kondo, Shunichi; Umehara, Akira; Ikeda, Teppei
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Japan. Kokai, 8 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent

LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 52134692	A2	19771111	JP 1976-51460	19760504
JP 59028203	B4	19840711		

L7 ANSWER 7 OF 21 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1977:407481 CAPLUS
DOCUMENT NUMBER: 87:7481
TITLE: Photoelectrophoretic imaging suspension
INVENTOR(S): Gruber, Robert J.
PATENT ASSIGNEE(S): Xerox Corp., USA
SOURCE: U.S., 7 pp. Division of U.S. 3,957,829.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4017311	A	19770412	US 1975-630479	19751110
US 3957829	A	19760518	US 1974-492555	19740729

PRIORITY APPLN. INFO.: US 1974-492555 19740729

L7 ANSWER 8 OF 21 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1976:551786 CAPLUS
DOCUMENT NUMBER: 85:151786
TITLE: Image-forming process using photoelectrophoresis
PATENT ASSIGNEE(S): Xerox Corp., USA
SOURCE: Neth. Appl., 17 pp.
CODEN: NAXXAN
DOCUMENT TYPE: Patent
LANGUAGE: Dutch
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
NL 7508208	A	19750930	NL 1975-8208	19750709
US 3957829	A	19760518	US 1974-492555	19740729

PRIORITY APPLN. INFO.: US 1974-492555 19740729

L7 ANSWER 9 OF 21 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1976:104844 CAPLUS
DOCUMENT NUMBER: 84:104844
TITLE: The electronic structure of the furan-quinones.
Polymorphism in dinaphtho[1,2-2',3']furan-7,12-dione
AUTHOR(S): Griffiths, C. H.; Walker, M. S.; Goldstein, P.;
Miller, R. L.
CORPORATE SOURCE: Webster Res. Cent., Xerox Corp., Webster, N. Y., USA
SOURCE: Mol. Cryst. Liq. Cryst. (1975), 31(3-4), 295-304
CODEN: MCLCA5
DOCUMENT TYPE: Journal
LANGUAGE: English

L7 ANSWER 10 OF 21 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1975:499196 CAPLUS
DOCUMENT NUMBER: 83:99196
TITLE: N-Substituted 8,13-dioxodinaphtho[2,1-b:2',3'-d]furan-

PATENT ASSIGNEE(S): 6-carboxamides
 SOURCE: Xerox Corp., USA
 Neth. Appl., 16 pp.
 CODEN: NAXXAN
 DOCUMENT TYPE: Patent
 LANGUAGE: Dutch
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
NL 7409231	A	19741125	NL 1974-9231	19740708
JP 50039330	A2	19750411	JP 1974-67585	19740612
FR 2236867	A1	19750207	FR 1974-23881	19740709
PRIORITY APPLN. INFO.:			US 1973-377667	19730709

L7 ANSWER 11 OF 21 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1973:153661 CAPLUS
 DOCUMENT NUMBER: 78:153661
 TITLE: Photoreduction of dinaphtho[2,1:2',3']furan-8,13-dione
 and dinaphtho[1,2:2',3']furan-7,12-dione
 AUTHOR(S): Walker, M. S.; Abkowitz, M. A.; Bigelow, R. W.; Sharp,
 J. H.
 CORPORATE SOURCE: Res. Lab., Xerox Corp., Rochester, N. Y., USA
 SOURCE: J. Phys. Chem. (1973), 77(8), 987-90
 CODEN: JPCHAX
 DOCUMENT TYPE: Journal
 LANGUAGE: English

L7 ANSWER 12 OF 21 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1972:132568 CAPLUS
 DOCUMENT NUMBER: 76:132568
 TITLE: Electronic structure of furanquinones. Polymorphism
 in dinaphtho[2,1-b:2',3'-d]furan-8,13-dione
 AUTHOR(S): Walker, M. S.; Miller, R. L.; Griffiths, C. H.;
 Goldstein, P.
 CORPORATE SOURCE: Res. Lab., Xerox Corp., Rochester, N. Y., USA
 SOURCE: Mol. Cryst. Liquid Cryst. (1972), 16(3), 203-11
 CODEN: MCLCA5
 DOCUMENT TYPE: Journal
 LANGUAGE: English

L7 ANSWER 13 OF 21 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1971:545806 CAPLUS
 DOCUMENT NUMBER: 75:145806
 TITLE: Electronic structure of furanquinones. I. Absorption
 spectra of dinaphtho[2,1-2',3']furan-8,13-dione and
 dinaphtho[1,2-2',3']furan-7,12-dione
 AUTHOR(S): Walker, M. S.; Kuder, J. E.; Miller, R. L.
 CORPORATE SOURCE: Res. Lab., Xerox Corp., Rochester, N. Y., USA
 SOURCE: J. Phys. Chem. (1971), 75(21), 3257-63
 CODEN: JPCHAX
 DOCUMENT TYPE: Journal
 LANGUAGE: English

L7 ANSWER 14 OF 21 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1964:38659 CAPLUS
 DOCUMENT NUMBER: 60:38659
 ORIGINAL REFERENCE NO.: 60:6804d-h,6805a-h,6806a-h,6807a-g
 TITLE: Diquinones. II. Formation of dibenzofuran derivatives
 by rearrangement of diquinones
 AUTHOR(S): Shand, A. J.; Thomson, R. H.
 CORPORATE SOURCE: Univ. Aberdeen, UK

SOURCE: Tetrahedron (1963), 19(12), 1919-37
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L7 ANSWER 15 OF 21 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1962:456192 CAPLUS
DOCUMENT NUMBER: 57:56192
ORIGINAL REFERENCE NO.: 57:11168i,11169a-b
TITLE: Halodinaphthofurandiones
INVENTOR(S): Sartori, Mario F.
PATENT ASSIGNEE(S): E. I. du Pont de Nemours & Co.
SOURCE: 2 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 3033879		19620508	US	19600425

L7 ANSWER 16 OF 21 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1962:73990 CAPLUS
DOCUMENT NUMBER: 56:73990
ORIGINAL REFERENCE NO.: 56:14439e-h
TITLE: 1-Amino-2-anthraquinonecarbonylaminodinaphthofurandiones
INVENTOR(S): Sartori, Mario Francesco
PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Co.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 2995579		19610808	US	19580630

L7 ANSWER 17 OF 21 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1961:84393 CAPLUS
DOCUMENT NUMBER: 55:84393
ORIGINAL REFERENCE NO.: 55:15945h-i,15946a-b
TITLE: **Dinaphthofurandione** vat dyes
INVENTOR(S): Randall, David I.; Schmidt-Nickels, Wilhelm
PATENT ASSIGNEE(S): General Aniline & Film Corp.
SOURCE: Continuation-in-part of U.S. 2,870,168 (CA 53, 7612a)
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 2976287		19610321	US	

L7 ANSWER 18 OF 21 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1961:64994 CAPLUS
DOCUMENT NUMBER: 55:64994
ORIGINAL REFERENCE NO.: 55:12380c-i,12381a-c
TITLE: Structure and properties of **dinaphthofurandiones**
AUTHOR(S): Sartor, Mario F.
CORPORATE SOURCE: E. I. Du Pont de Nemours & Co., Wilmington, DE
SOURCE: J. Org. Chem. (1959), 24, 1756-9
CODEN: JOCEAH; ISSN: 0022-3263

DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L7 ANSWER 19 OF 21 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1961:51376 CAPLUS
DOCUMENT NUMBER: 55:51376
ORIGINAL REFERENCE NO.: 55:9892a-b
TITLE: **Dinaphthofurandione** derivatives
INVENTOR(S): Randall, David I.; Schmidt-Nichels, Wilhelm
PATENT ASSIGNEE(S): General Aniline & Film Corp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 2967870		19610110	US	

L7 ANSWER 20 OF 21 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1960:103502 CAPLUS
DOCUMENT NUMBER: 54:103502
ORIGINAL REFERENCE NO.: 54:19713c-g
TITLE: Halogen-substituted dinaphthofuranodiones
INVENTOR(S): Sartori, Mario F.
PATENT ASSIGNEE(S): E. I. du Pont de Nemours & Co., Inc.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 2940983		19600614	US	

L7 ANSWER 21 OF 21 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1959:42419 CAPLUS
DOCUMENT NUMBER: 53:42419
ORIGINAL REFERENCE NO.: 53:7612a-e
TITLE: **Dinaphthofurandione** vat dyes
INVENTOR(S): Randall, David A.; Schmidt-Nickels, Wilhelm
PATENT ASSIGNEE(S): General Aniline & Film Corp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 2870168		19590120	US	
DE 1128940			DE	
GB 856804			GB	

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ENTRY	SESSION

FULL ESTIMATED COST

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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION

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FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Sep 20, 2002 (20020920/UP).

L16 ANSWER 21 OF 39 CAOLD COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: CA54:19713c CAOLD
 TITLE: dinaphthofurandiones (halogen-substituted)
 PATENT ASSIGNEE: Du Pont de Nemours, E. I., & Co.
 DOCUMENT TYPE: Patent
 TITLE: halogen-substituted dinaphthofurandiones
 AUTHOR NAME: Sartori, Mario F.
 DOCUMENT TYPE: Patent

PATENT NO.	KIND	DATE
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PI US 2940983		1960

L16 ANSWER 22 OF 39 CAOLD COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: CA53:7612a CAOLD
 TITLE: dinaphthofurandione vat dyes
 AUTHOR NAME: Randall, David I.; Schmidt-Nickels, W.
 DOCUMENT TYPE: Patent
 TITLE: dyes (dinaphthofurandione vat)
 PATENT ASSIGNEE: General Aniline & Film Corp.
 DOCUMENT TYPE: Patent

PATENT NO.	KIND	DATE
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PI US 2870168		1959
DE 1128940		
GB 856804		

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L16 ANSWER 1 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA63:14852g CAOLD

TITLE: fungus pigments - (XV) synthesis of
benzobisbenzofuranquinones

AUTHOR NAME: Gripenberg, Jarl; Lounasmaa, M.

L16 ANSWER 2 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA63:3743a CAOLD

TITLE: mechanism for fluorescence quenching and sensitized
photoconduction

AUTHOR NAME: Needler, William C.

L16 ANSWER 3 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA62:14591a CAOLD

TITLE: coloring matters of Australian plants - (XII) quinones from
Dianella revoluta and Stypandra grandis

AUTHOR NAME: Cooke, R. G.; Sparrow, L. G.

L16 ANSWER 4 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA60:6804d CAOLD

TITLE: diquinones - (II) formation of dibenzofuran derivs. by
rearrangement of diquinones

AUTHOR NAME: Shand, Aeneas J.; Thomson, R. H.

L16 ANSWER 5 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA59:9947g CAOLD

TITLE: structure of (-)-olivil

AUTHOR NAME: Smith, Michael

L16 ANSWER 6 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA59:9944f CAOLD

TITLE: synthesis of furano compds. - (XXIV) synthesis of the
angular dinaphthofuran, (XXV) unequivocal synthesis of
several naphthofurans

AUTHOR NAME: Chatterjea, Jnanendra N.; Mehrotra, V. N.; Roy, S. K.

L16 ANSWER 7 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA57:11169b CAOLD

TITLE: totally esterified silicic acid

AUTHOR NAME: Sanin, I. K.; Kamenskii, I. V.; Korshak, V. V.

DOCUMENT TYPE: Patent

PATENT NO.	KIND	DATE
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PI SU 143795

L16 ANSWER 8 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA57:11168i CAOLD

TITLE: halodinaphthofurandiones

AUTHOR NAME: Sartori, Mario F.

PATENT ASSIGNEE: Du Pont de Nemours, E. I., & Co.

DOCUMENT TYPE: Patent

PATENT NO.	KIND	DATE
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PI US 3033879

1962

L16 ANSWER 9 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA56:4707h CAOLD

TITLE: photochemistry of 2,2'-binaphthyl-1,4:1',4'-diquinone

AUTHOR NAME: Schulte-Frohlinde, Dietrich; Werner, V.

L16 ANSWER 10 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA55:24686i CAOLD
TITLE: structure of di-tert-butyl-naphthalenesulfonic acids
AUTHOR NAME: Menard, Marcel; Mitchell, L.; Komlossy, J.; Wrigley, A. M.;
Chubb, F. L.

L16 ANSWER 11 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA55:24030g CAOLD
TITLE: dyes (vat)
PATENT ASSIGNEE: Cassella Farbwerke Mainkur Akt.-Ges.
DOCUMENT TYPE: Patent
TITLE: vat dyes
AUTHOR NAME: Frister, Fritz
DOCUMENT TYPE: Patent
PATENT NO. KIND DATE

PI DE 1098647

L16 ANSWER 12 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA55:18697h CAOLD
TITLE: synthesis of dinaphtho[2',3'-2,3][2'',3''-4,5]furan
AUTHOR NAME: Chatterjea, Jnanendra N.; Curtis, R. F.; Dhoubhadel, S. P.

L16 ANSWER 13 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA55:15946b CAOLD
TITLE: phthalocyanine pigment for printing dyes
AUTHOR NAME: Scully, Arnold; Pizareello, A.
PATENT ASSIGNEE: Interchemical Corp.
DOCUMENT TYPE: Patent
PATENT NO. KIND DATE

PI DE 1060529

L16 ANSWER 14 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA55:15945h CAOLD
TITLE: dinaphthofurandione vat dyes
AUTHOR NAME: Randall, David I.; Schmidt-Nickels, W.
DOCUMENT TYPE: Patent
TITLE: dyes (dinaphthofurandione vat)
PATENT ASSIGNEE: General Aniline & Film Corp.
DOCUMENT TYPE: Patent
PATENT NO. KIND DATE

PI US 2976287 1961

L16 ANSWER 15 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA55:12380c CAOLD
TITLE: structure and properties of dinaphthofurandiones
AUTHOR NAME: Sartori, Mario F.

L16 ANSWER 16 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA55:9892a CAOLD
TITLE: dinaphthofurandione derivs.
AUTHOR NAME: Randall, David I.; Schmidt-Nickels, W.
DOCUMENT TYPE: Patent
TITLE: dyes (dinaphthofurandione)
PATENT ASSIGNEE: General Aniline & Film Corp.
DOCUMENT TYPE: Patent
PATENT NO. KIND DATE

PI US 2967870 1961

L16 ANSWER 17 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA55:5451e CAOLD
TITLE: Claisen condensation with Me and Et ethers of khellinone

AUTHOR NAME: Stener, Antonia; Fatutta, S.

L16 ANSWER 18 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA55:3993e CAOLD

TITLE: dye intermediates (heterocyclic)

PATENT ASSIGNEE: General Aniline & Film Corp.

DOCUMENT TYPE: Patent

PATENT NO.	KIND	DATE
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PI GB 835908

US 2979515		1961
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L16 ANSWER 19 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA54:25836a CAOLD

TITLE: quinonoid dyes - (XIV) relation between coplanarity and substantivity of quinonoid dyes applied to secondary cellulose acetate and cellulosic fibers

AUTHOR NAME: Daruwalla, E. H.; Rao, S. S.; Tilak, B. D.

L16 ANSWER 20 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA54:19713g CAOLD

TITLE: 5-nitro-2-furaldehyde semicarbazone

AUTHOR NAME: Hellinghuizer-Gerriesen, Betsy

DOCUMENT TYPE: Patent

PATENT NO.	KIND	DATE
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PI GB 832320

L16 ANSWER 21 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA54:19713c CAOLD

TITLE: dinaphthofurandiones (halogen-substituted)

PATENT ASSIGNEE: Du Pont de Nemours, E. I., & Co.

DOCUMENT TYPE: Patent

TITLE: halogen-substituted dinaphthofurandiones

AUTHOR NAME: Sartori, Mario F.

DOCUMENT TYPE: Patent

PATENT NO.	KIND	DATE
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PI US 2940983

1960

L16 ANSWER 22 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA53:7612a CAOLD

TITLE: dinaphthofurandione vat dyes

AUTHOR NAME: Randall, David I.; Schmidt-Nickels, W.

DOCUMENT TYPE: Patent

TITLE: dyes (dinaphthofurandione vat)

PATENT ASSIGNEE: General Aniline & Film Corp.

DOCUMENT TYPE: Patent

PATENT NO.	KIND	DATE
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PI US 2870168

1959

DE 1128940

GB 856804

L16 ANSWER 23 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA53:5693i CAOLD

TITLE: sol. azophthalocyanine dyes

AUTHOR NAME: Brentano, Willy; Grossmann, H.; Mueller, M.

PATENT ASSIGNEE: Durand & Huguenin A.-G.

DOCUMENT TYPE: Patent

PATENT NO.	KIND	DATE
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PI DE 945944

L16 ANSWER 24 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA53:5693e CAOLD
TITLE: heterocyclic vat dyes
AUTHOR NAME: Schmidt-Nickels, Wilhelm
DOCUMENT TYPE: Patent

PATENT NO.	KIND	DATE
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PI	US 2862932	1958
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DE 1100210

GB 856803

L16 ANSWER 25 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA53:5692h CAOLD
TITLE: anthraquinone vat dyes
AUTHOR NAME: Grelat, Maurice; Koch, J.; Sutter, P.; Kern, W.
DOCUMENT TYPE: Patent

TITLE: dyes (anthraquinone)

PATENT ASSIGNEE: CIBA Ltd.

DOCUMENT TYPE: Patent

TITLE: dyes (heterocyclic vat)

PATENT ASSIGNEE: General Aniline & Film Corp.

DOCUMENT TYPE: Patent

TITLE: heterocyclic vat dyes

AUTHOR NAME: Schmidt-Nickels, Wilhelm; Randall, D. I.

DOCUMENT TYPE: Patent

PATENT NO.	KIND	DATE
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PI	DE 964976	
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PI	US 2862931	1958
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DE 1090802

GB 856805

L16 ANSWER 26 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA53:4021e CAOLD
TITLE: thermochromic test for polycyclic p-quinones
AUTHOR NAME: Sawicki, Eugene; Stanley, T. W.; Hauser, T. R.

L16 ANSWER 27 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA53:2170h CAOLD
TITLE: synthesis and isolation of vitamin K2 and isoprenologous
compds.
AUTHOR NAME: Isler, Otto; Ruegg, R.; Chopard-dit-Jean, L. H.;
Winterstein, A.; Wiss, O.

L16 ANSWER 28 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA52:16084d CAOLD
TITLE: relation between oxidn.-redn. potential and dehydrase
activity of quinones and isatins
AUTHOR NAME: Cassebaum, Heinz

L16 ANSWER 29 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA52:15590b CAOLD
TITLE: reduction of aromatic N compds.
PATENT ASSIGNEE: Allied Chemical Corp.
DOCUMENT TYPE: Patent

PATENT NO.	KIND	DATE
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PI	US 2831893	1958
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L16 ANSWER 30 OF 39 CAOLD COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: CA52:15496c CAOLD
TITLE: quinone series - (XI) reaction of 2,3-dichloro-1,4-
naphthoquinone with dihydroxynaphthalenes
AUTHOR NAME: Acharya, R. V.; Tilak, B. D.; Venkiteswaran, M. R.

L16 ANSWER 31 OF 39 CAOLD COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: CA52:10198d CAOLD
TITLE: Bz-arylbenzanthrones
AUTHOR NAME: Schlichting, Otto; Hrubesch, A.
PATENT ASSIGNEE: Badische Anilin- & Soda-Fabrik Akt.-Ges.
DOCUMENT TYPE: Patent
PATENT NO. KIND DATE

PI DE 859144

L16 ANSWER 32 OF 39 CAOLD COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: CA52:7318f CAOLD
TITLE: carcinogenic N compds. - (XXIII) polymethylated homologs of
benz[.alpha.]acridine and 7H-benzo[c]carbazole, and related
compds.
AUTHOR NAME: Buu-Hoi, Ng. Ph.; Jacquignon, P.; Long, C. T.

L16 ANSWER 33 OF 39 CAOLD COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: CA52:5370f CAOLD
TITLE: properties of 5-halofurfurals
AUTHOR NAME: Nazarova, Z. N.

L16 ANSWER 34 OF 39 CAOLD COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: CA52:5369f CAOLD
TITLE: cyclic monoethers of spherical structure for use in
cryoscopy
AUTHOR NAME: Pirsch, Josef
TITLE: quinone series - (X) benzobis(naphthofuran)quinones
AUTHOR NAME: Acharya, R. V.; Tilak, B. D.; Venkiteswaran, M. R.

L16 ANSWER 35 OF 39 CAOLD COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: CA52:3759a CAOLD
TITLE: reactions between chloro-p-benzoquinones 2-naphthol
AUTHOR NAME: Osman, Abdel M.

L16 ANSWER 36 OF 39 CAOLD COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: CA52:3351i CAOLD
TITLE: dyes (heterocyclic vat)
PATENT ASSIGNEE: General Aniline & Film Corp.
DOCUMENT TYPE: Patent
TITLE: heterocyclic vat dyes
AUTHOR NAME: Schmidt-Nickels, Wilhelm; Randall, D. I.
DOCUMENT TYPE: Patent
PATENT NO. KIND DATE

PI US 2813875 1957

L16 ANSWER 37 OF 39 CAOLD COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: CA52:1974i CAOLD
TITLE: tritylation of phenols and naphthols
AUTHOR NAME: Buu-Hoi, Ng. Ph.; Rips, R.

L16 ANSWER 38 OF 39 CAOLD COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: CA51:16410d CAOLD
TITLE: synthesis of quinonoid bispyrrocolines and bisnaphthofurans
from chloranil
AUTHOR NAME: Acharya, R. V.; Tilak, B. D.; Venkiteswaran, M. R.

L16 ANSWER 39 OF 39 CAOLD COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: CA51:11389i CAOLD
TITLE: dinaphtho[2,1,1',2']furan-5,6-dione
AUTHOR NAME: Bunnstrom, Gosta
DOCUMENT TYPE: Patent

TITLE: dinaphthol-[2,1,1',2']furan-5,6-dione
PATENT ASSIGNEE: American Cyanamid Co.
DOCUMENT TYPE: Patent
 PATENT NO. KIND DATE

PI US 2783248 1957

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